Notice of Allowability	Application No.	Applicant(s)	
	10/099,801	YANG ET AL.	
	Examiner	Art Unit	1
	Matthew E. Warren	2815	And
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this a or other appropriate communication GHTS. This application is subject and MPEP 1308.	pplication. If not include on will be mailed in due	ed course. THIS
1. This communication is responsive to the amendment filed of	on February 2, 2004.		
2. 🔀 The allowed claim(s) is/are <u>1-7 and 9-11</u> .			
3. \boxtimes The drawings filed on <u>13 March 2002</u> are accepted by the l	Examiner.		
4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have international Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date (b) including indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the attached Examiner's comment regarding REQUIREMENT	e been received. been received in Application No. cuments have been received in thi of this communication to file a repl IENT of this application. itted. Note the attached EXAMINE es reason(s) why the oath or decla st be submitted. Son's Patent Drawing Review (PTO as Amendment / Comment or in the B.84(c)) should be written on the draw he header according to 37 CFR 1.12 sit of BIOLOGICAL MATERIAL	Is national stage applicately complying with the reserved and the reserved attached a Office action of wings in the front (not the 1(d). The must be submitted.	quirements
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Stater 9. □ Other Support	ry (PTO-413), Date dment/Comment	·

DETAILED ACTION

This Office Action is in response to the Amendment filed on February 2, 2004.

Allowable Subject Matter

Claims 1-7 and 9-11 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art references, alone or in combination, do not show a non-volatile semiconductor memory cell structure comprising a substrate having a shallow first type well layer, a second-type well layer, a deep first type well layer, a plurality of source and drain terminals between stack gates, wherein the depth of the source terminal is long enough to pass through the shallow first type well layer and connect with the second-type well layer, both the source and drain terminals are second type-doped regions, wherein each source terminal further includes a lightly doped region close to the substrate surface, a heavily doped region underneath the lightly doped region but in connection with the lightly doped region such that the heavily doped region passes through the shallow first-type well layer in connection with the second type well layer, and both the lightly doped region and the heavily doped region are second type-doped regions.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 10/099,801 Page 3

Art Unit: 2815

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew E. Warren whose telephone number is (571) 272-1737. The examiner can normally be reached on Mon-Thurs, and alternating Fri, 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor. Tom Thomas can be reached on (571) 272-1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MEW MEW

April 2, 2004

Tom Thomas Supervisory Patent Examiner Technology Conter 2800